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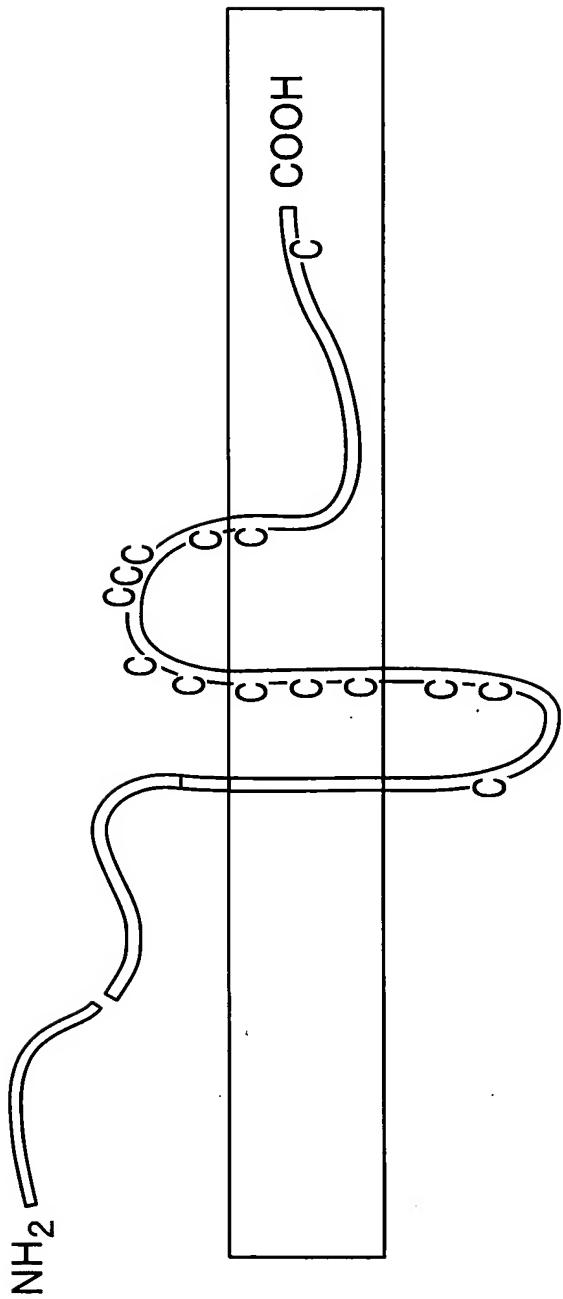


FIG. 1

mrssllivlc flplalaGV RQGMGTNL SV PNPLGFFPDH QLDPAFGANS NNPWDWENPN 60
secretion signal PreS1
KDQWPEANQV GAGAFGPGETT PPHGGGLLGWS PQAQGILTTV PAAPPPASTN RQSGRQPTPI 120

SPPLRDSHPQ AMQWMNSTTFH QALLDPRVRG LFFFAGGSSS GTVNPVPTTA SPISGDPAPN 180
PreS2 *

MENTTSGFIG PILLVQAGFF LITTRLTIPO SLDSWWTSIN FIGGAPTCPG QNSQSPTSNH 240
* * * * *

SPTSCPPICR GYRMWCIRRF IIFLFILLLC LIFLFLVLDY QGMLPVCPLL PGTTTSTGP 300
* * *** * * *

CKTCTIPAQG TSMFPSCCCCT KPSDGNCTCI PIPSSWAFAF FLWEWASVRF SWLSSLVPFV 360
QWFVGLSPTV WLSVIMMMWY WGPSLYNLS PFLPLLPIFF CIWVVI *

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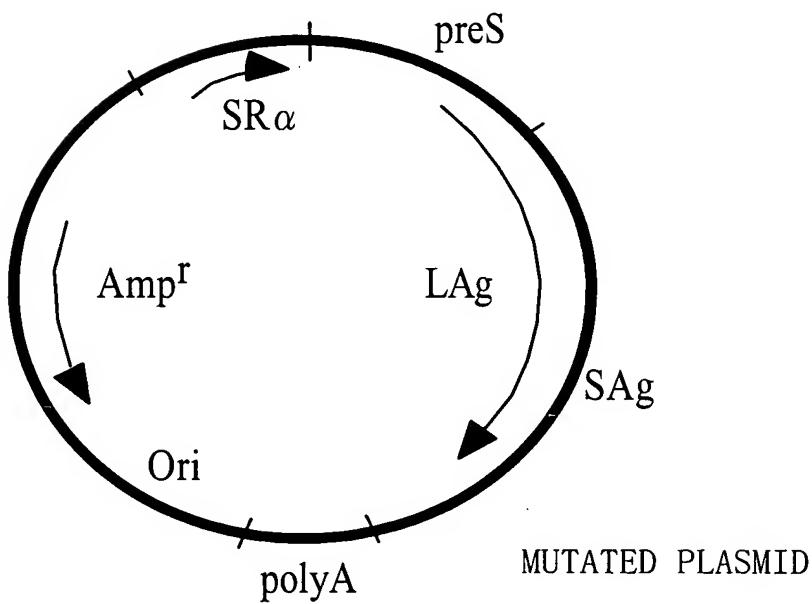
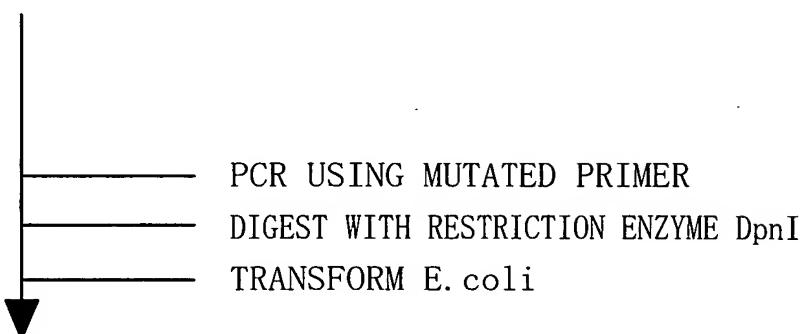
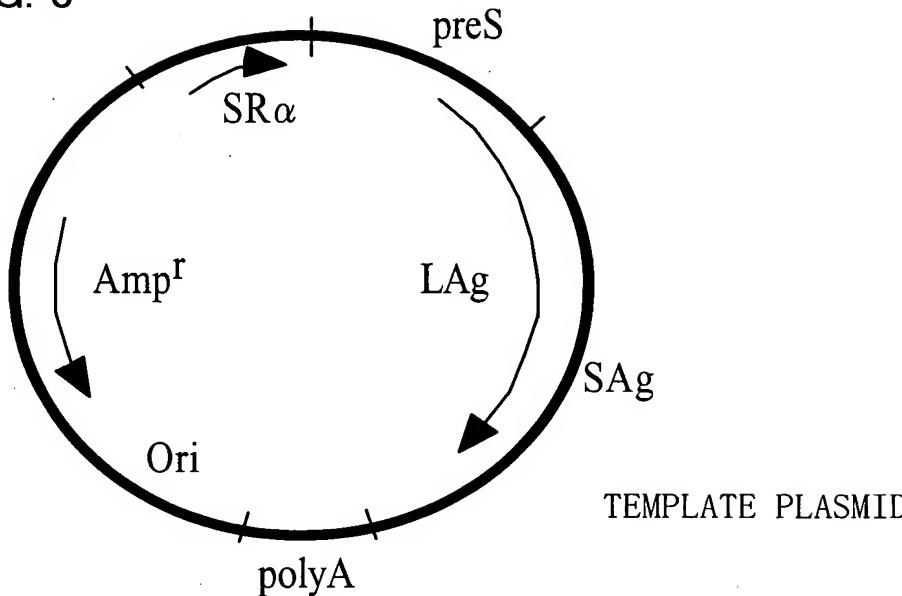
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FIG. 2

Met Glu Asn Thr Thr Ser Gly Phe Leu Gly Pro Leu Leu Val Leu Gln
1
Ala Gly Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser Leu
Asp Ser Trp Trp Thr Ser Leu Asn Phe Leu Gly Gly Ala Pro Thr Cys
48
Pro Gly Gln Asn Ser Gln Ser Pro Thr Ser Asn His Ser Pro Thr Ser
Cys Pro Pro Ile Cys Pro Gly Tyr Arg Trp Met Cys Leu Arg Arg Phe
65 69 76
Ile Ile Phe Leu Phe Ile Leu Leu Leu Cys Leu Ile Phe Leu Leu Val
90
Leu Leu Asp Tyr Gln Gly Met Leu Pro Val Cys Pro Leu Leu Pro Gly
107
Thr Ser Thr Thr Ser Thr Gly Pro Cys Lys Thr Cys Thr Ile Pro Ala
121 124
Gln Gly Thr Ser Met Phe Pro Ser Cys Cys Cys Thr Lys Pro Ser Asp
137 138 139
Gly Asn Cys Thr Cys Ile Pro Ile Pro Ser Ser Trp Ala Phe Ala Arg
147 149
Phe Leu Trp Glu Trp Ala Ser Val Arg Phe Ser Trp Leu Ser Leu Leu
Val Pro Phe Val Gln Trp Phe Val Gly Leu Ser Pro Thr Val Trp Leu
Ser Val Ile Trp Met Met Trp Tyr Trp Gly Pro Ser Leu Tyr Asn Ile
Leu Ser Pro Phe Leu Pro Leu Leu Pro Ile Phe Phe Cys Leu Trp Val
221
Tyr Ile
226

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FIG. 3



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FIG. 4 (a)

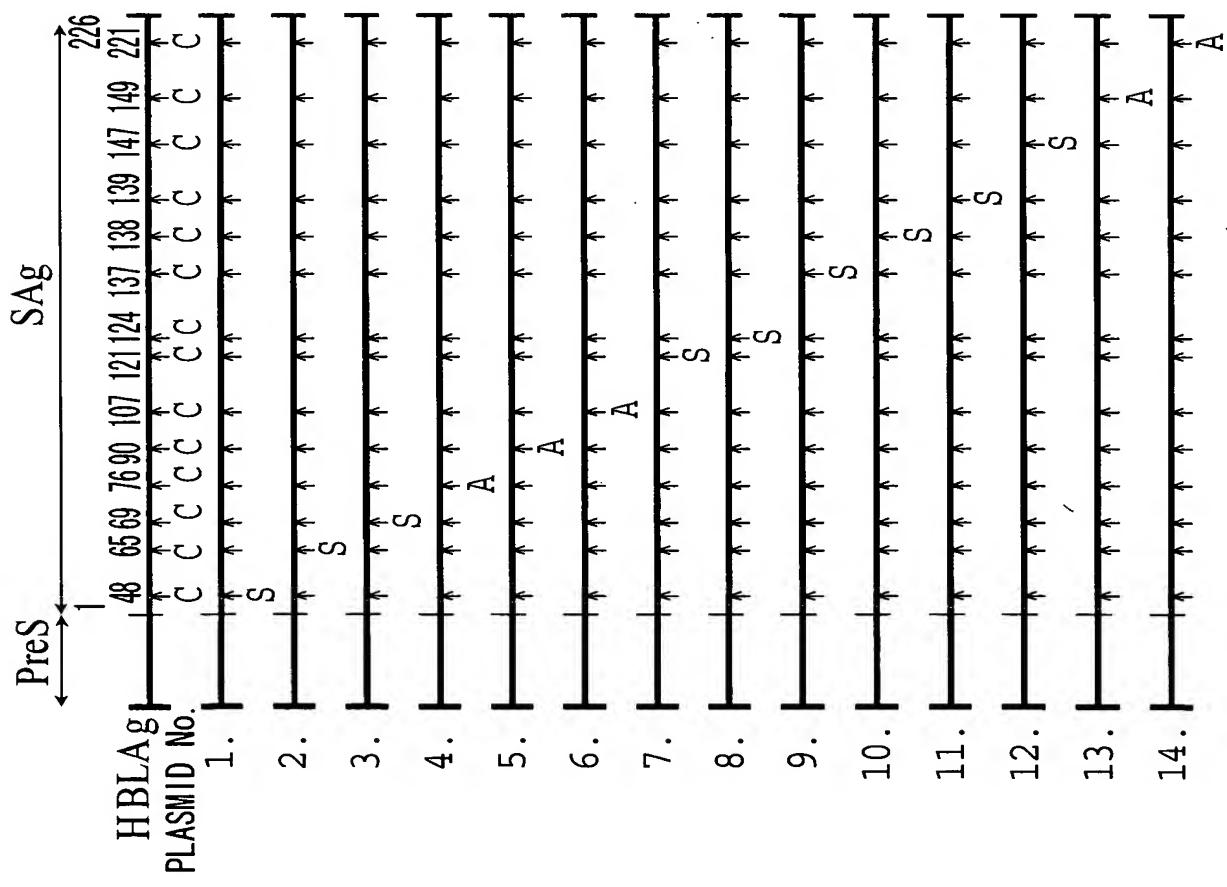
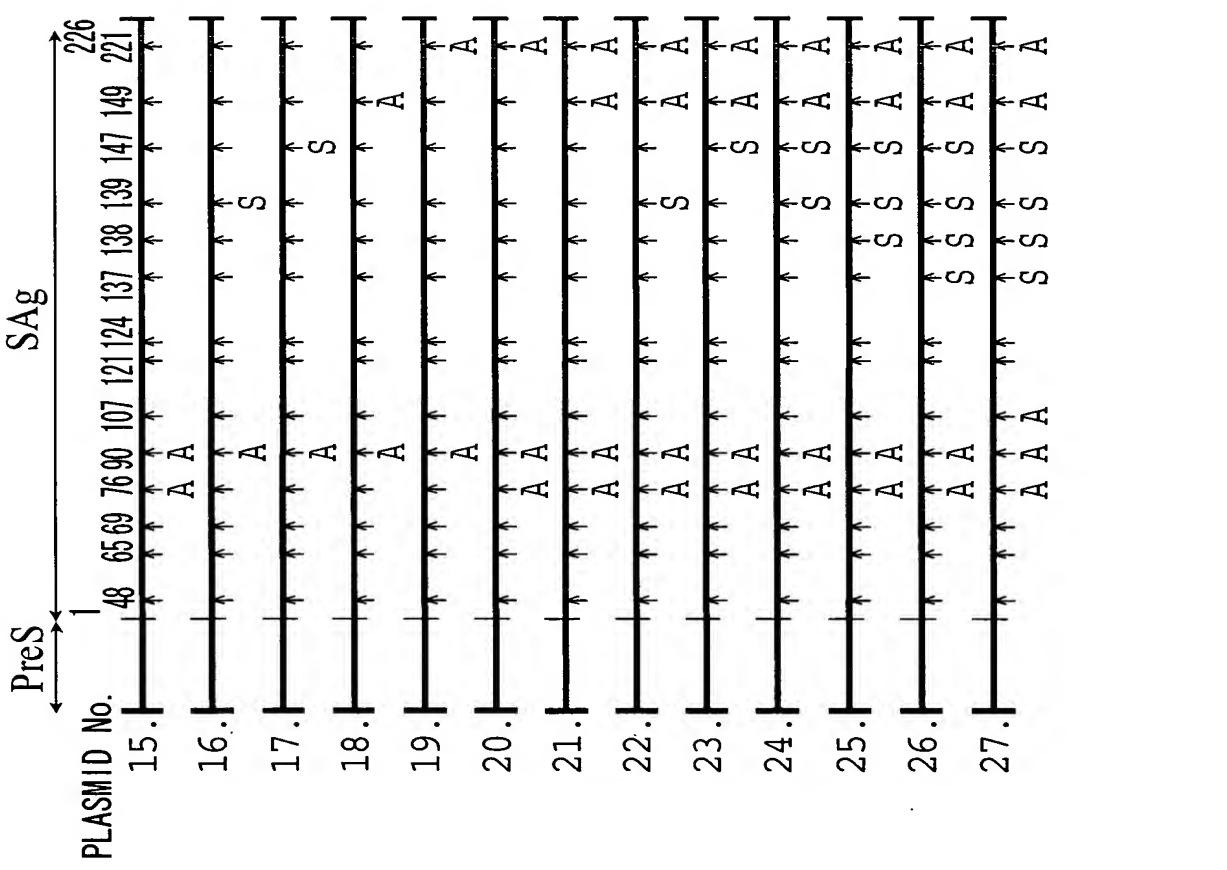


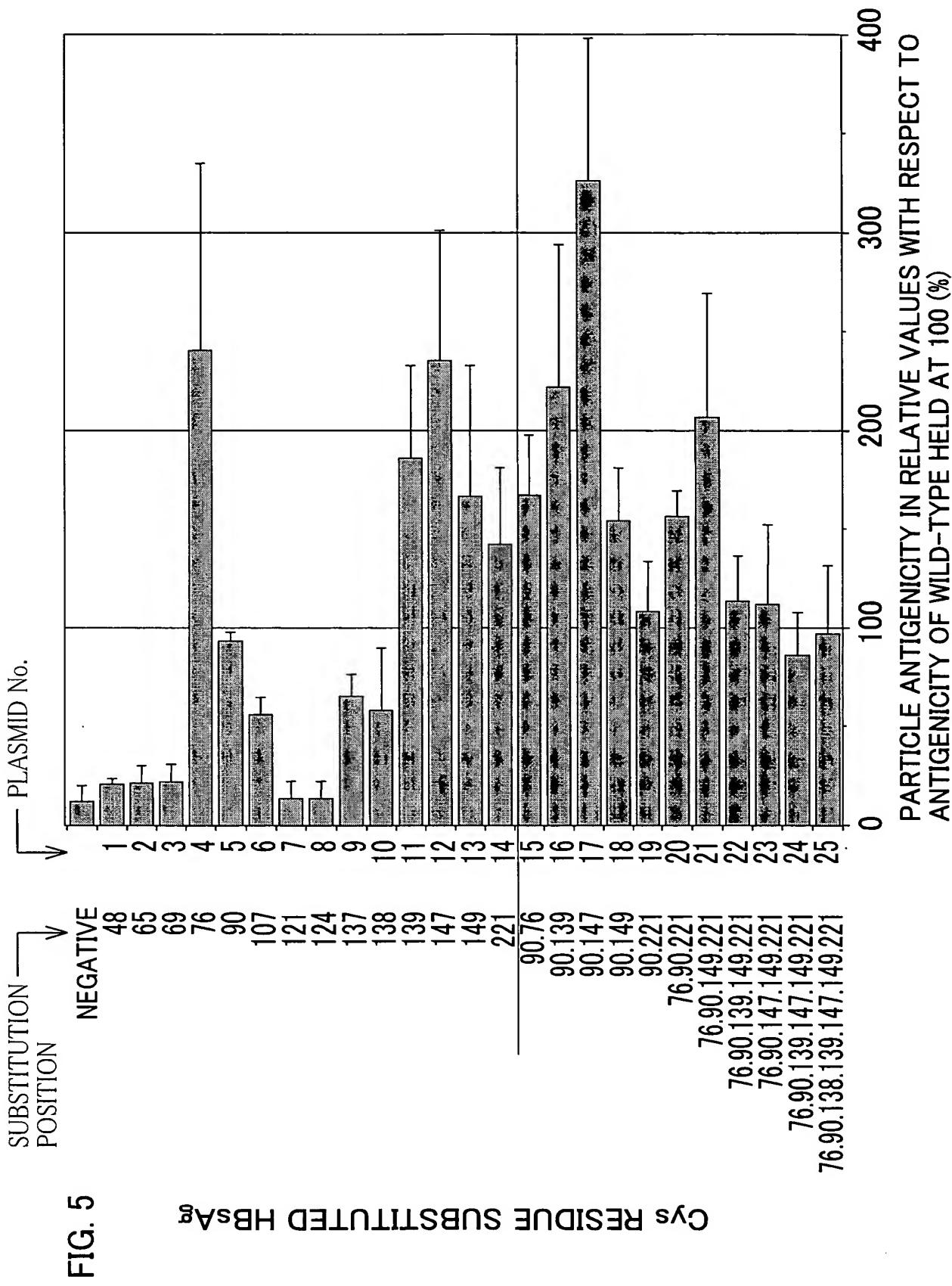
FIG. 4 (b)



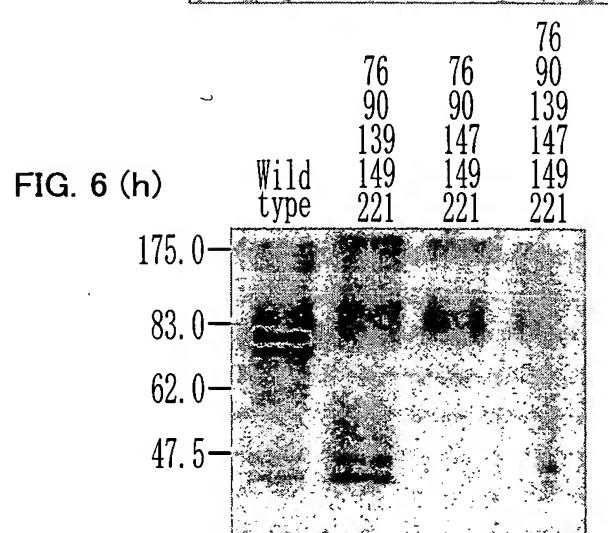
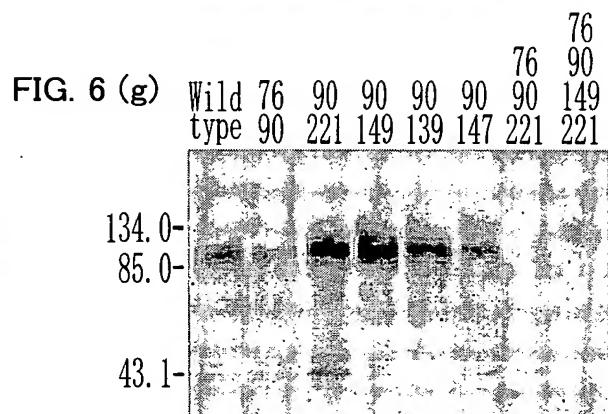
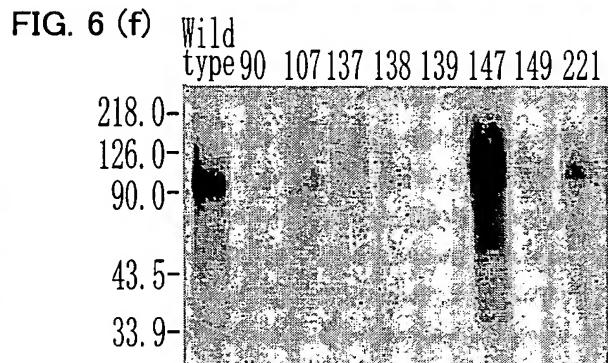
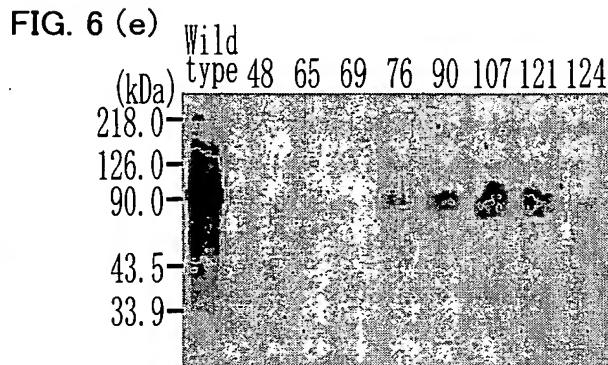
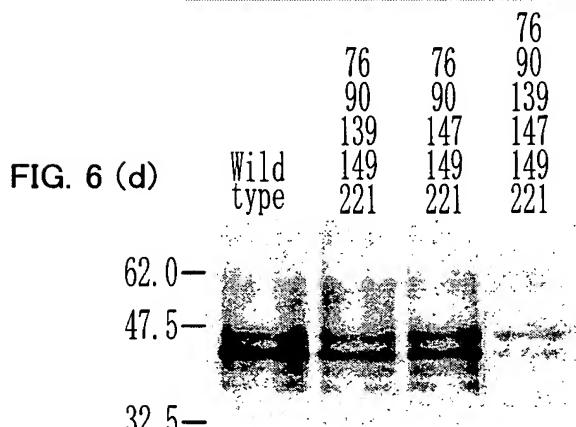
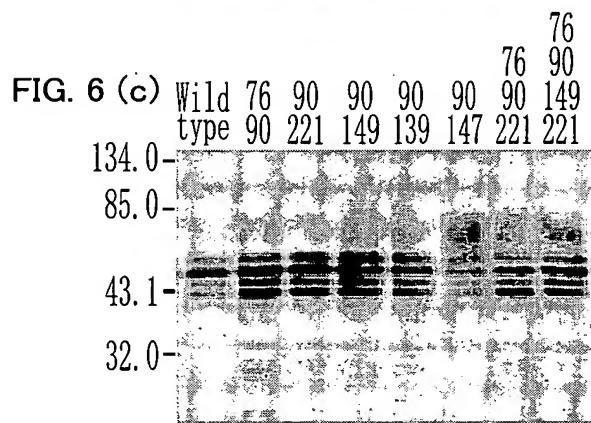
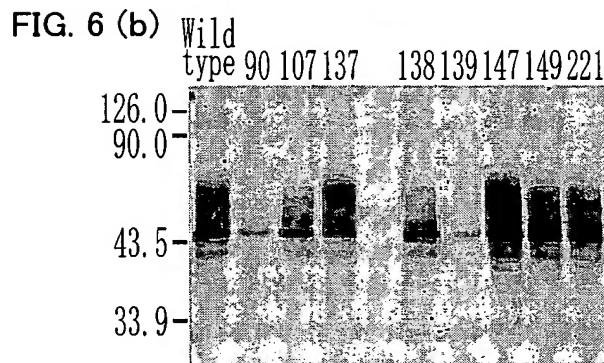
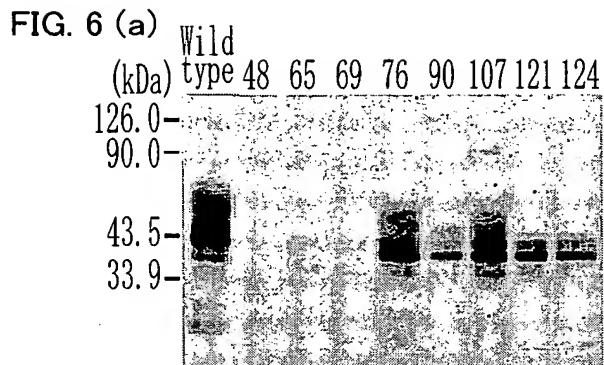
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FIG. 7 (a)

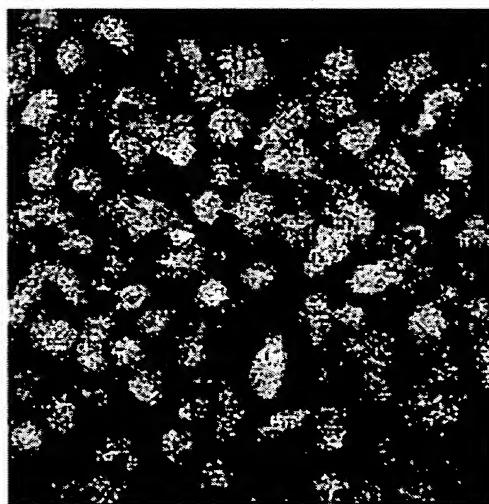
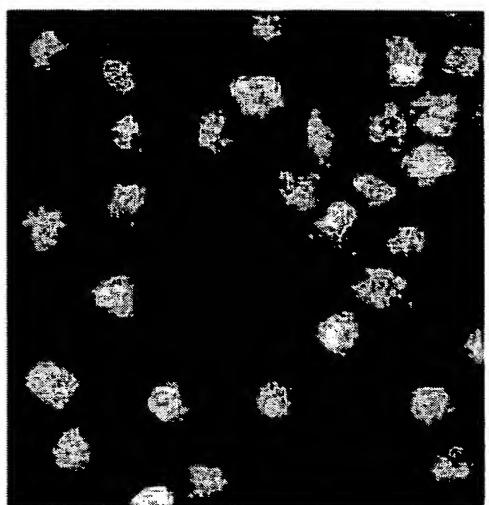


FIG. 7 (b)



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FIG. 8 (a)

POSITIVE CONTROL

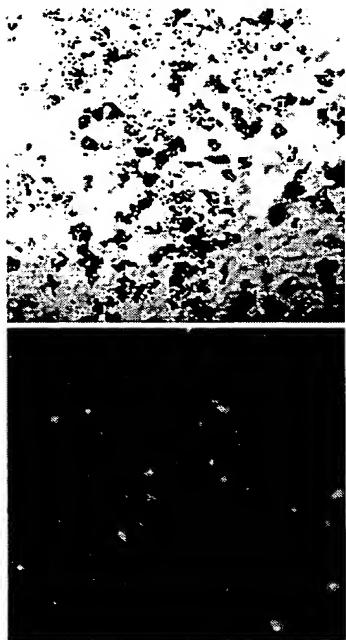


FIG. 8 (b)

NEGATIVE CONTROL

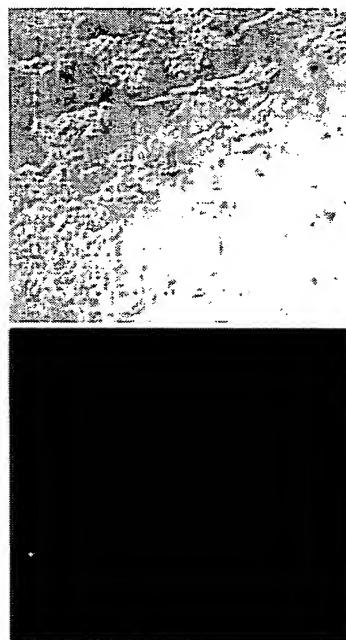


FIG. 8 (c)

NEGATIVE CONTROL

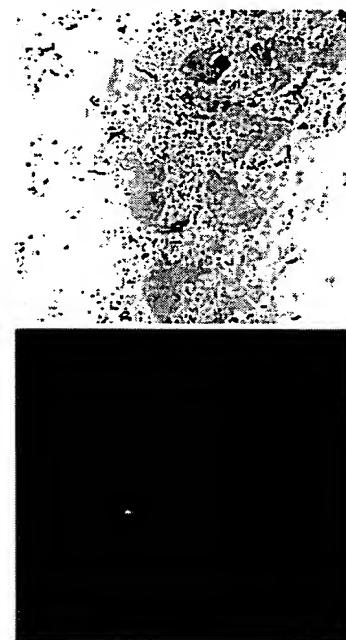


FIG. 8 (d)

WT(69ng)+GFP(200ng)



FIG. 8 (e)

BNP-Lm8(12ng)+GFP(200ng)

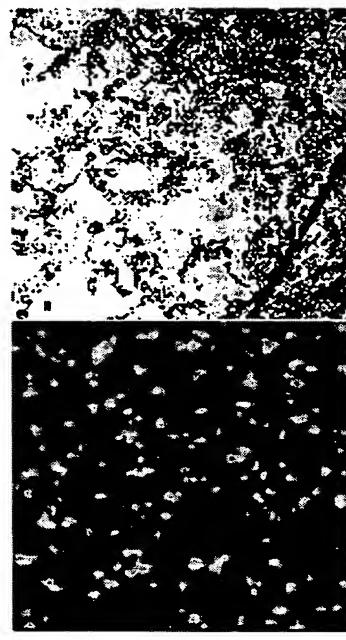
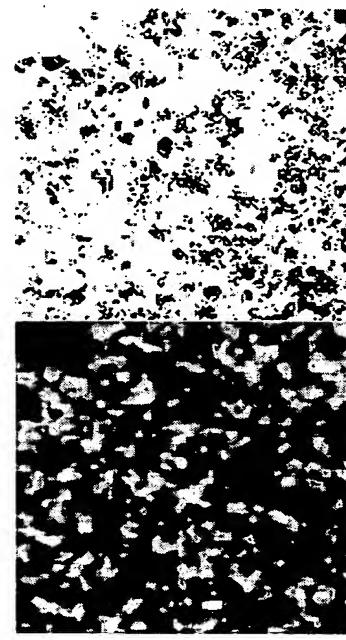


FIG. 8 (f)

BNP-Lm8(24ng)+GFP(200ng)



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FIG. 9 (a)
POSITIVE CONTROL

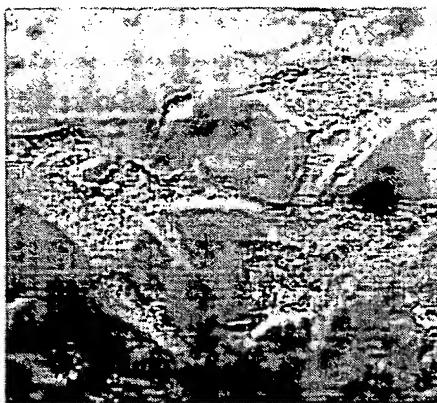


FIG. 9 (b)
BNP-LM8(12ng)+GFP(100ng)

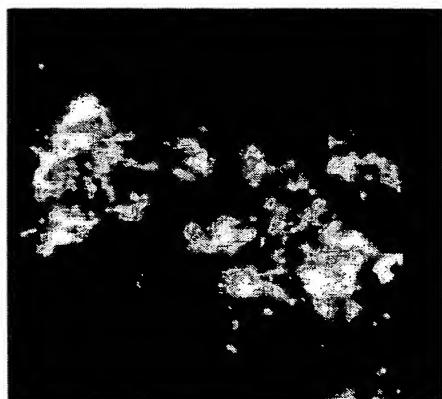
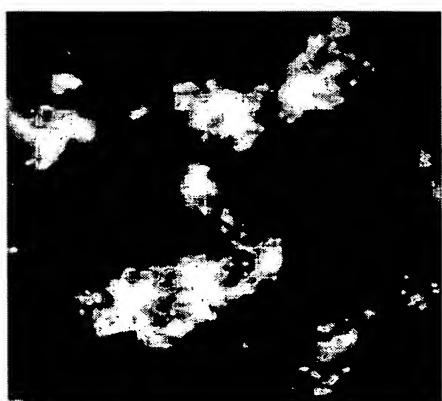
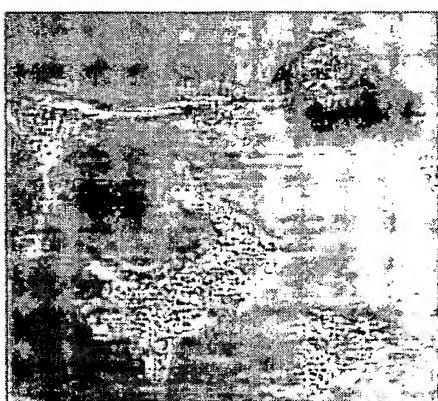


FIG. 9 (c)
BNP-Lm8(24ng)+GFP(200ng)



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FIG. 10 (a)
POSITIVE CONTROL

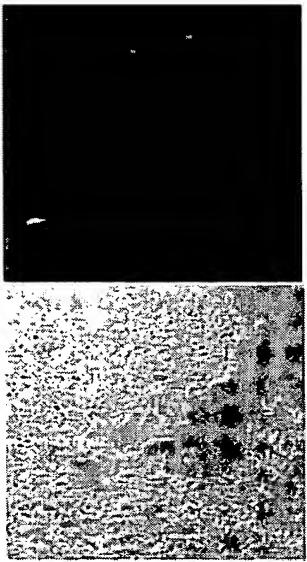


FIG. 10 (b)
NEGATIVE CONTROL

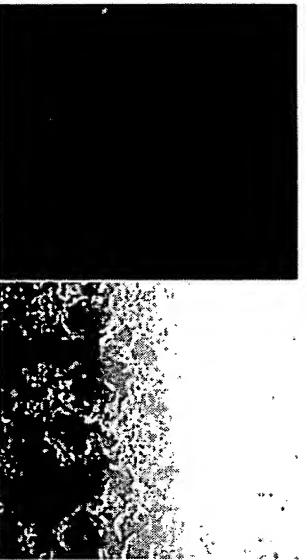


FIG. 10 (c)



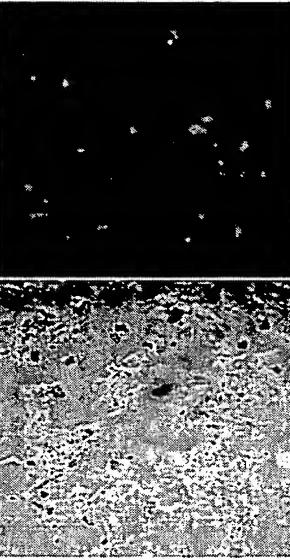
ONE WEEK LATER →

FIG. 10 (d)

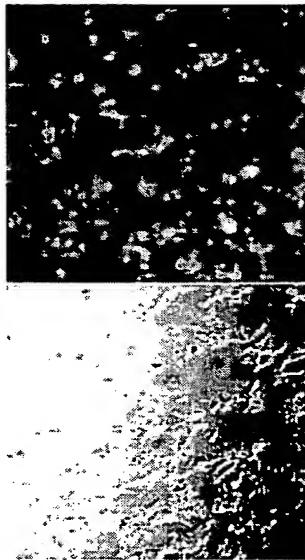


ONE WEEK LATER →

WT(6. 4ng) + GFP(200ng)



BNP-Lm8(6. 4ng) + GFP(200ng)



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FIG. 11 (a) POSITIVE CONTROL

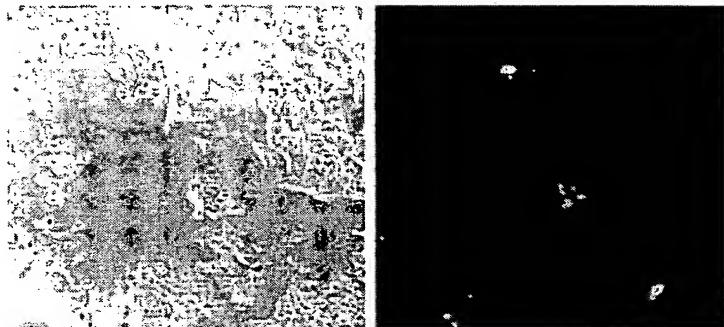


FIG. 11 (b) NEGATIVE CONTROL

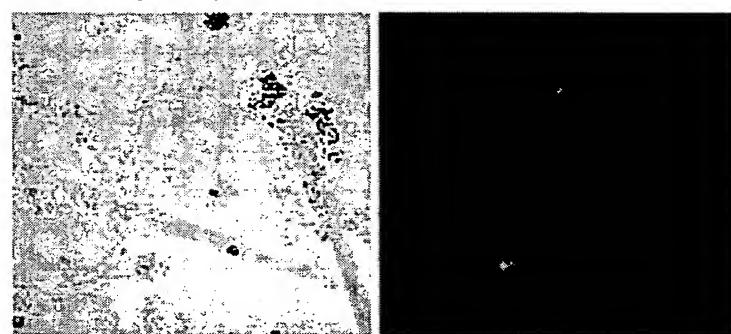


FIG. 11 (c) WT(14ng)+GFP(200ng)

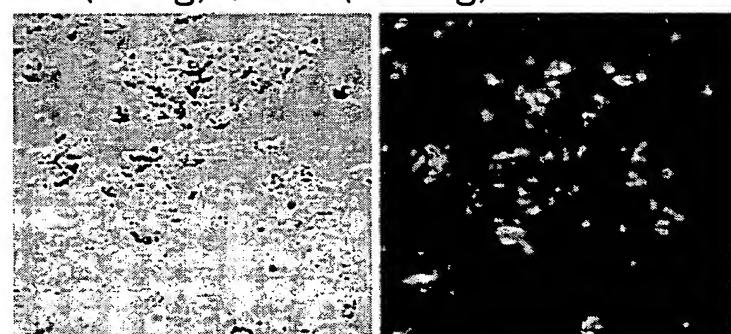
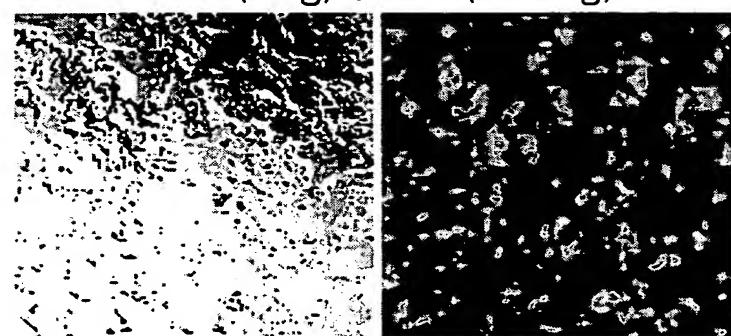


FIG. 11 (d) BNP-Lm8(5ng)+GFP(200ng)



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FIG. 12 (a) POSITIVE CONTROL

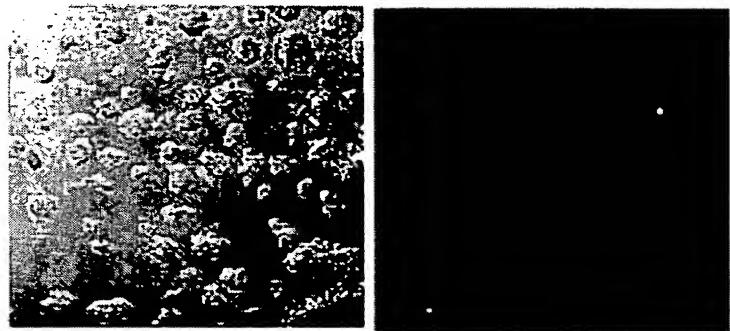


FIG. 12 (b) NEGATIVE CONTROL



FIG. 12 (c) WT(14ng)+GFP(200ng)



FIG. 12 (d) BNP-Lm8(5ng)+GFP(200ng)



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FIG. 13 (a)
POSITIVE CONTROL

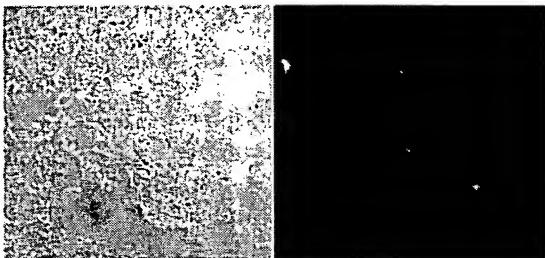


FIG. 13 (b)
NEGATIVE CONTROL

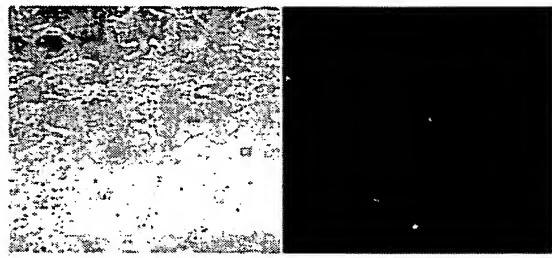


FIG. 13 (c)
WT(3.2ng)+GFP(200ng)

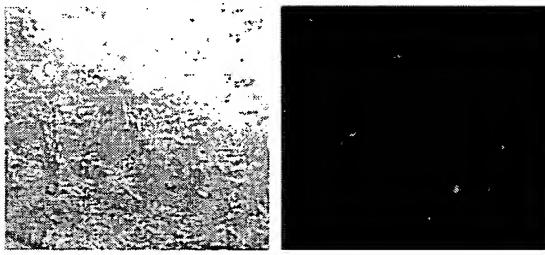


FIG. 13 (d)
WT(6.4ng)+GFP(200ng)

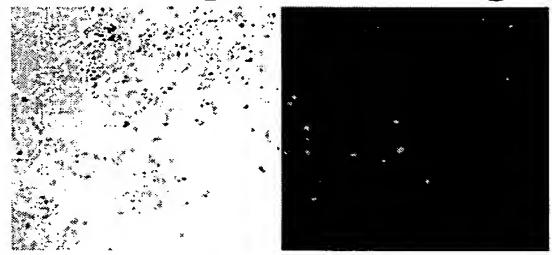


FIG. 13 (e)
BNP-Lm7b(3.2ng)+GFP(200ng)

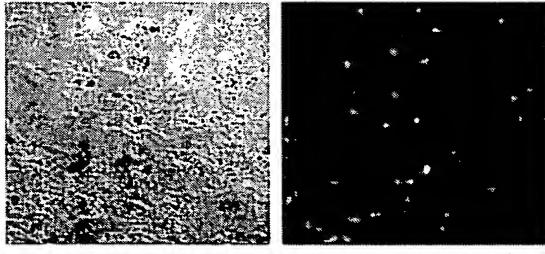


FIG. 13 (f)
BNP-Lm7b(6.4ng)+GFP(200ng)

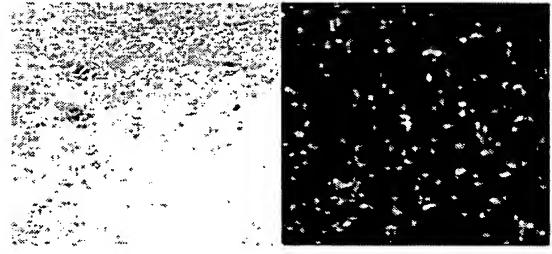


FIG. 13 (g)
BNP-Lm8(3.2ng)+GFP(200ng)

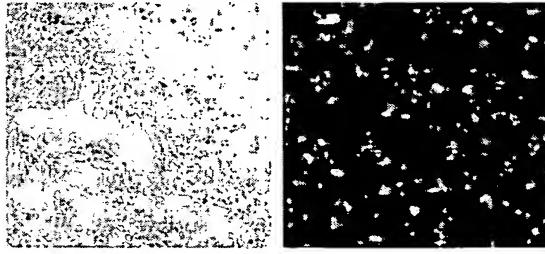
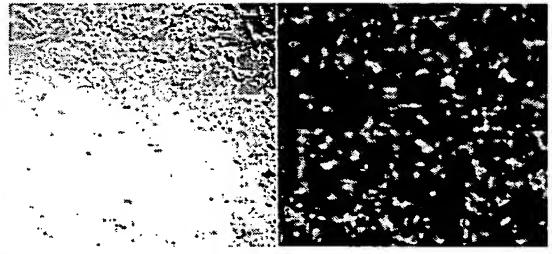


FIG. 13 (h)
BNP-Lm8(6.4ng)+GFP(200ng)



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